

### ABSTRACT OF THE DISCLOSURE

A method of determining the configuration of locomotives in wired distributed trains. It includes determining consists of adjacent locomotives in the train. It determines one or more sub-consists of adjacent locomotives, which are controlled separately from a preceding adjacent locomotive within the consist. Locomotives which have an available wired distributed power controller is determined. A common consist indicator is assigned to all adjacent locomotives of a consist if the consist has at least one available wired distributed power controller. A common sub-consist indicator is assigned to all locomotives of a sub-consist if the consist has at least one available wired distributed power controller.